

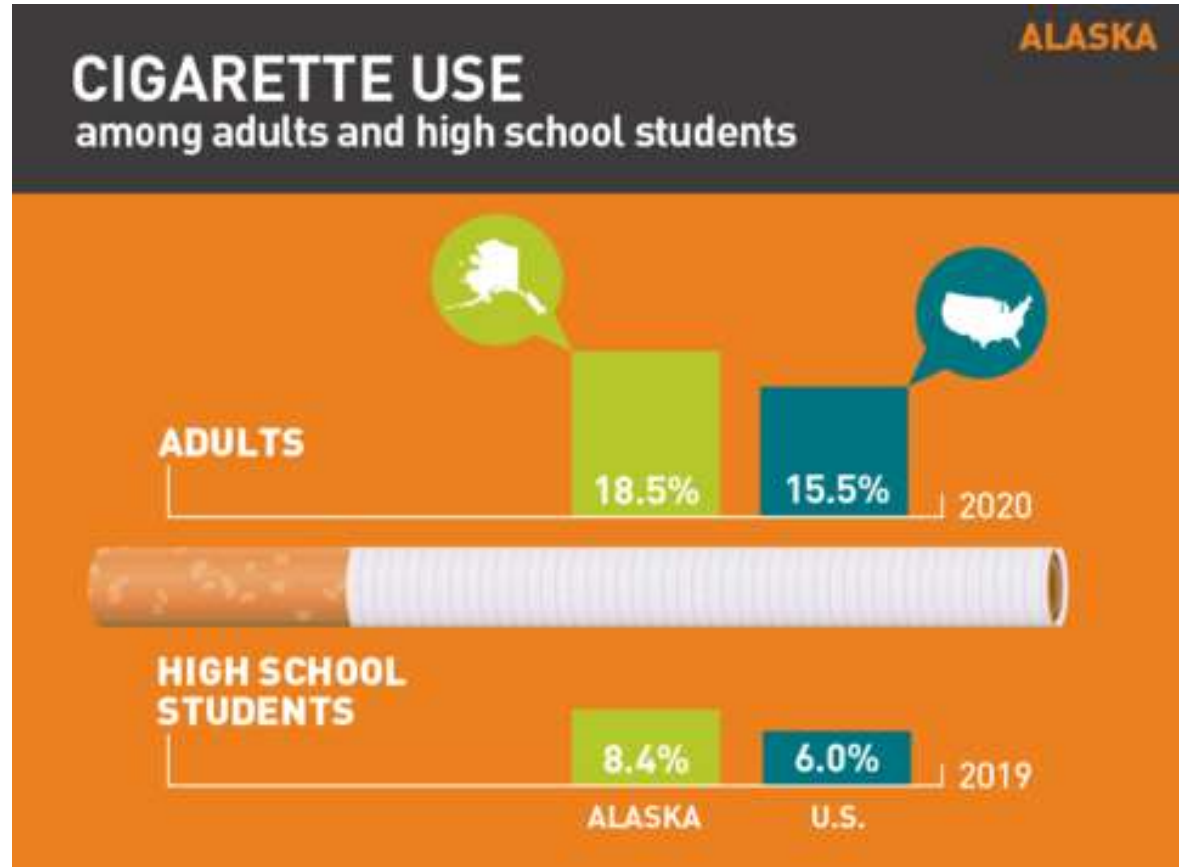
Vaping

The hidden dangers

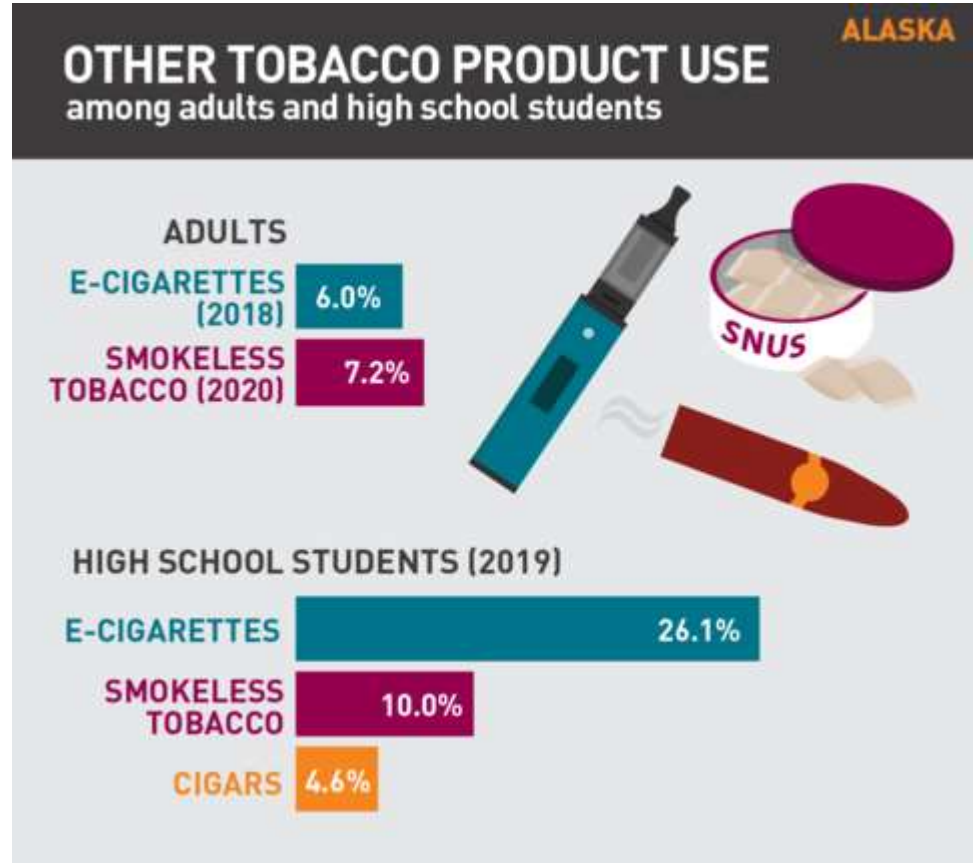
Disclosure

I am here as a volunteer.
I have no financial incentive or conflict of interest.

Truth initiative.org



Truth initiative.org



Vape ingredients

Nicotine: Concentrations ranging from 1 to 0.5 Packs of Cigs per pod (Though the concentrations are highly inaccurate and unregulated)

This is ~40mg of nicotine per pod

Cannabis extract (THC and CBD): Concentrations are unregulated, but are required to be on the label per AK statute. Can be as high as 99% which is as much as 500mg.

Other substances: anything is possible, synthetic THC like Spice, K2, JWH

Other Vape ingredients

- Vegetable Glycerin (Carrier) is a sugar alcohol made from plant oils
- Propylene Glycol (Carrier) AKA antifreeze
- MCT Oil (Carrier)
- Terpenes (Carrier/Flavoring)
- Flavorings.

Nicotine Health risks

Nicotine Poisoning

Lethal Dose is 6-13mg

Nicotine has a Succinylcholine-like stimulatory effect on Nicotinic Receptors

Results in Seizures followed by paralysis

THC Health Risks

Age <21 years old (without medical indication)

1. Risk of Cannabis use disorder
2. Affects brain development (may adversely affect IQ, educational outcomes)
3. Risk of future **Anxiety Disorder**
4. Increased risk of **Suicidality** and all-cause mortality
5. Increased physical **Violence**

OVERDOSE

Fast heart rate, Low blood pressure, increased risk of heart attack, Kidney injury, Seizures, Motor vehicle accidents due to driving under the influence

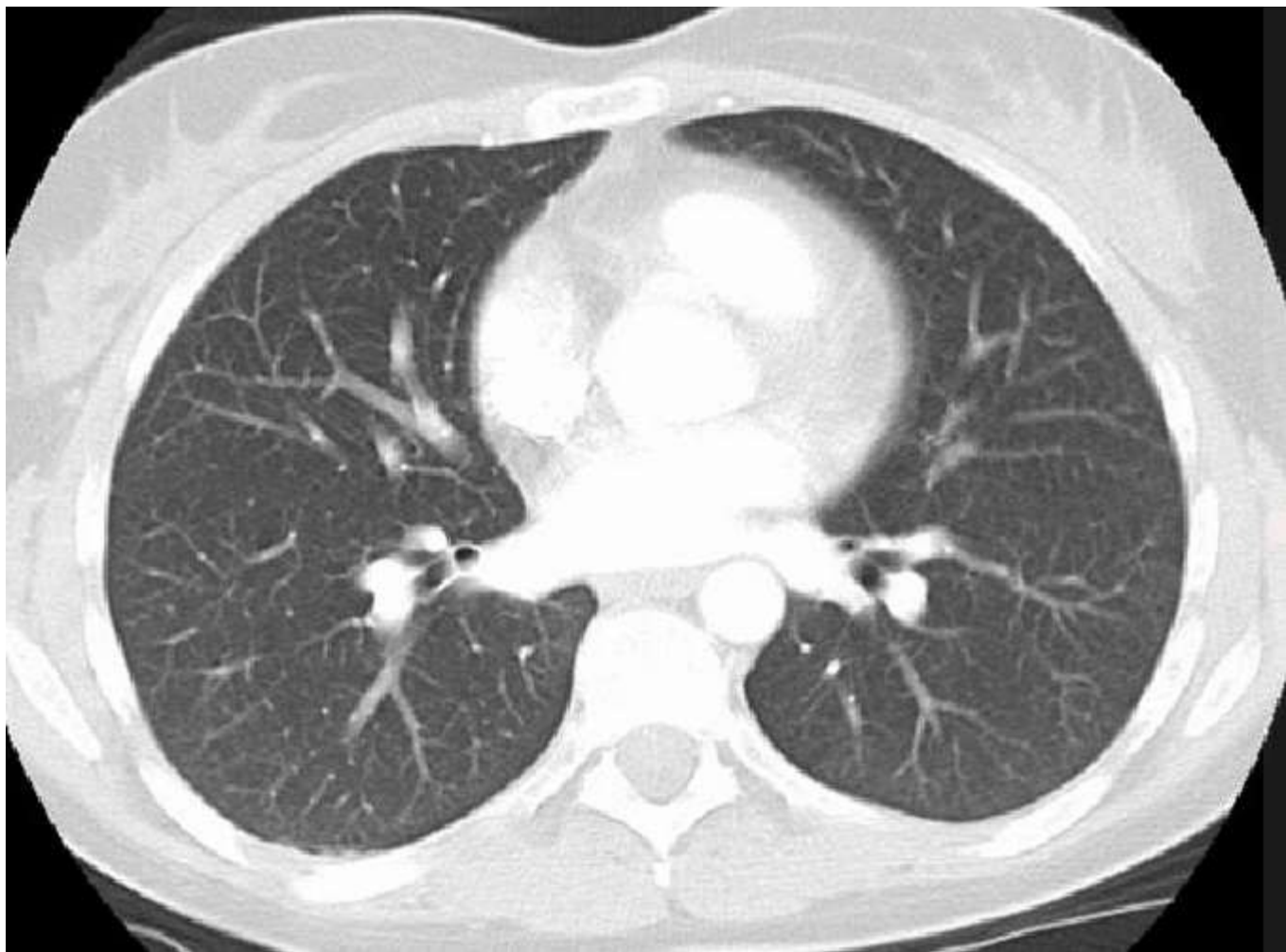
Vaping-Associated Lung Disease

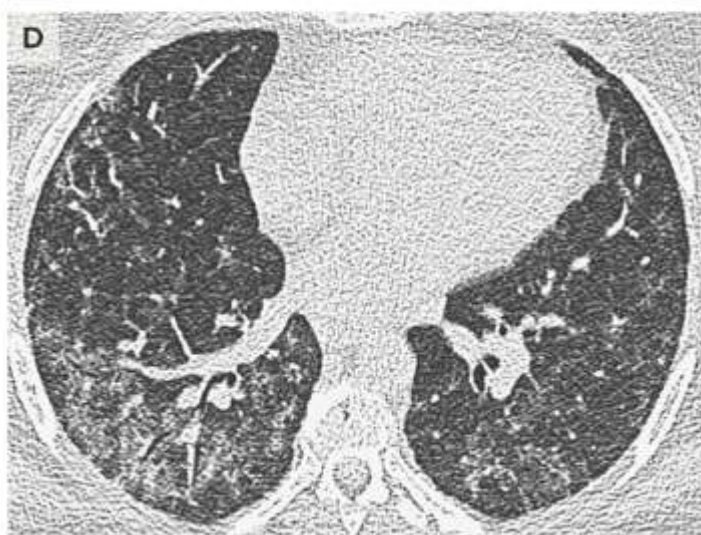
A. Acute **Interstitial Lung Disease**

1. Related to diacetyl, flavorings, and solvents

B. Lipoid **Pneumonia** (from oil aspiration) with **Alveolar Macrophage** infiltration

1. **Vitamin E** and diacetyl-induced popcorn lung have also been seen with **Vaping**





Nicotine/THC Vapes and Teens

- A. Nicotine affects teens differently than adults
 1. Teens are more likely to become addicted than adults
 2. Teens have a more significant adverse cognitive effect on memory and attention
 3. Teens are more likely to have respiratory adverse effects
- B. Longterm Vaping adverse cardiopulmonary effects are not yet clear
 1. May have carcinogenic effects
 2. Second hand exposure of potential toxins for friends and family

Sources

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Questions???